

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011572.D
 Acq On : 16 Aug 2019 11:32
 Operator : JC/SP
 Sample : VX0816MBL01
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBL01

Quant Time: Aug 19 01:05:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	445307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	616295	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	530368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	256050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	211192	51.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.28%	
35) Dibromofluoromethane	5.49	113	187111	46.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.84%	
50) Toluene-d8	8.71	98	693525	55.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.44%	
62) 4-Bromofluorobenzene	11.13	95	237389	44.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.56%	

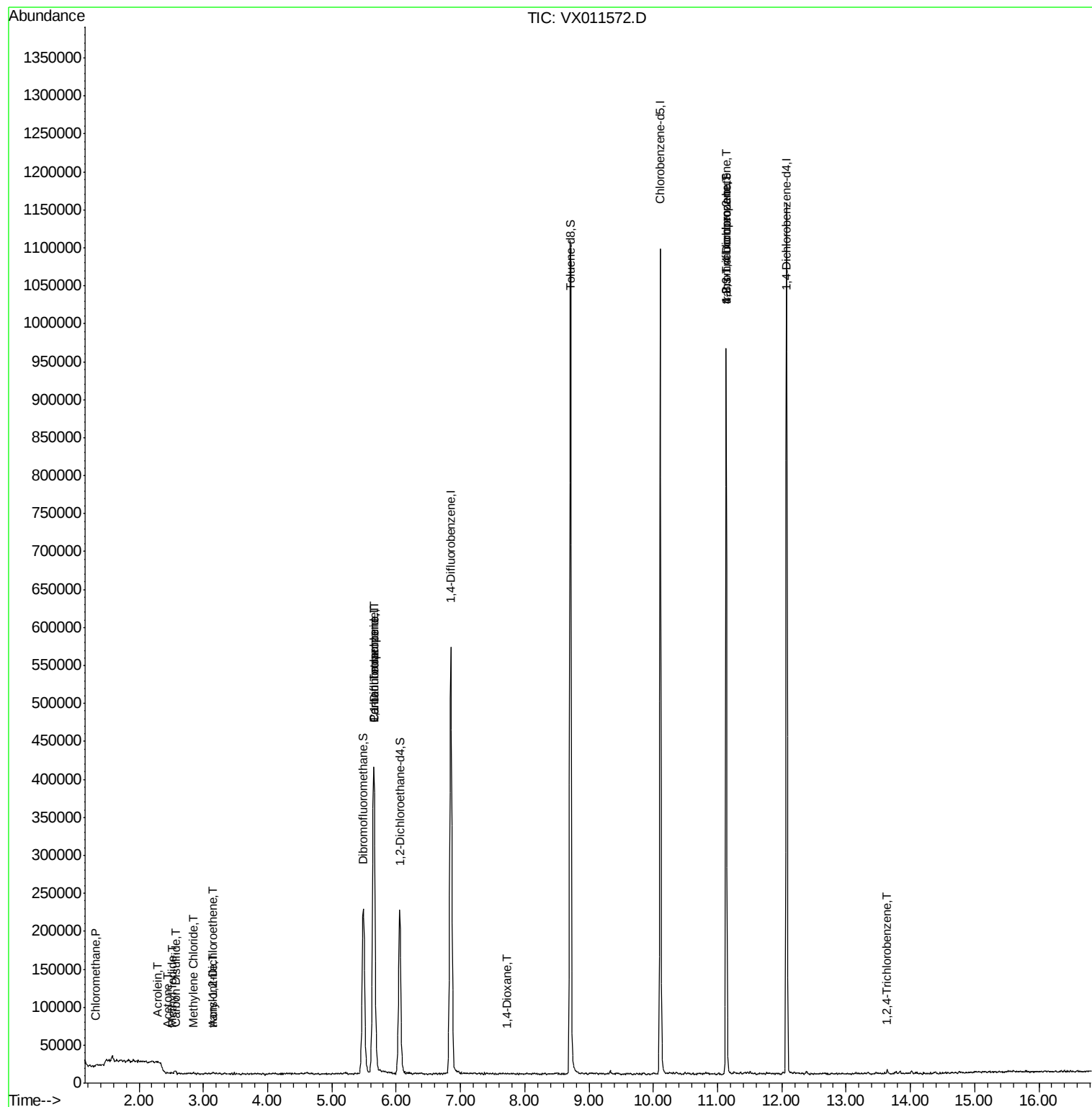
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	937	0.206	ug/l	97
10) Methyl Iodide	2.51	142	1555	0.278	ug/l #	91
13) Acrolein	2.29	56	199	12.791	ug/l #	58
15) Acrylonitrile	3.14	53	1374	0.593	ug/l #	33
16) Acetone	2.45	43	1123	0.541	ug/l	95
17) Carbon Disulfide	2.57	76	2682	0.300	ug/l #	93
20) Methylene Chloride	2.85	84	1236	0.283	ug/l #	69
21) trans-1,2-Dichloroethene	3.16	96	931	0.231	ug/l #	64
36) 1,1-Dichloropropene	5.65	75	25692	4.876	ug/l #	40
38) Carbon Tetrachloride	5.65	117	37372	6.438	ug/l #	16
49) 1,4-Dioxane	7.71	88	97	0.779	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	110547	22.768	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110547	60.630	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1312	0.206	ug/l	88

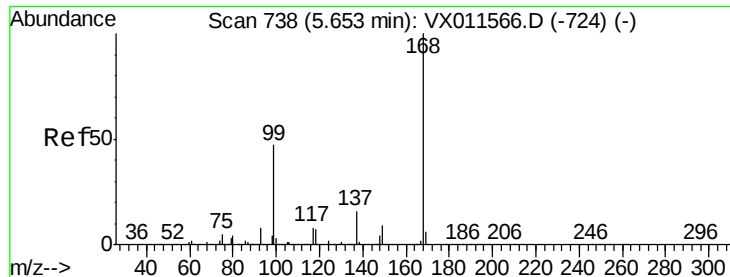
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

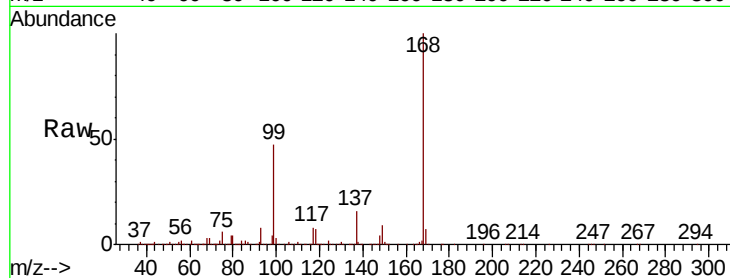
VX0816MBL01

Tgt Ion:168 Resp: 445307

Ion Ratio Lower Upper

168 100

99 47.0 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

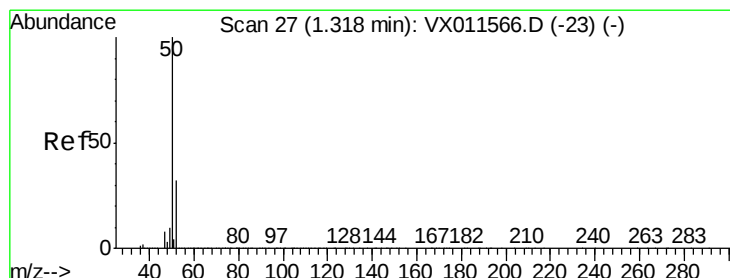
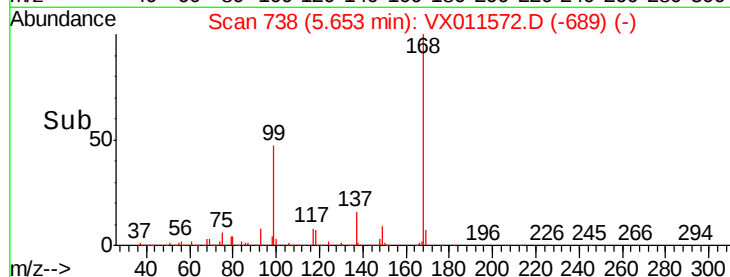
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.206 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011572.D

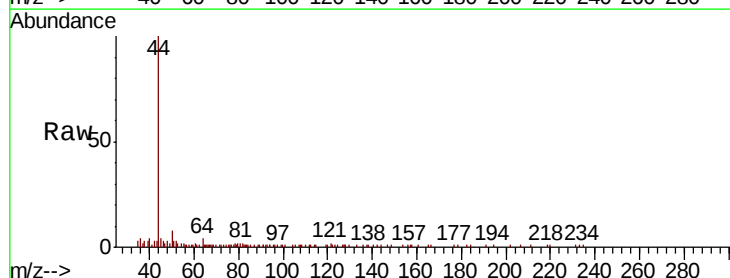
Acq: 16 Aug 2019 11:32

Tgt Ion: 50 Resp: 937

Ion Ratio Lower Upper

50 100

52 33.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

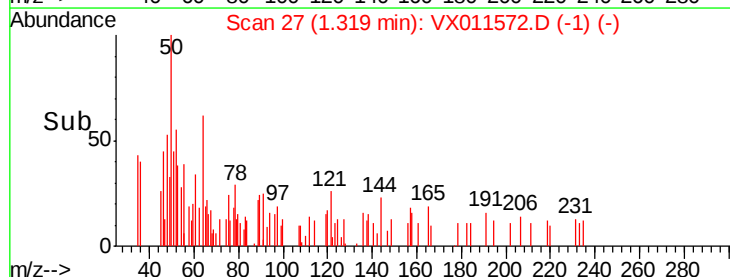
600

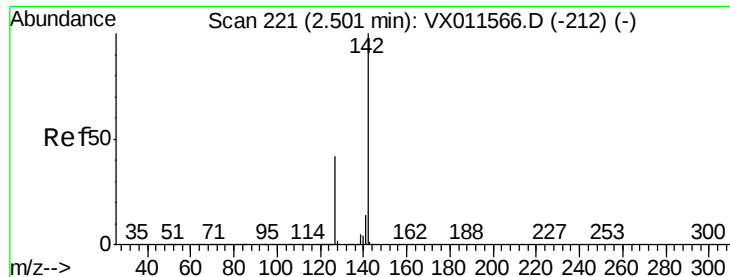
400

200

0

Time-->





#10

Methyl Iodide

Concen: 0.278 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBL01

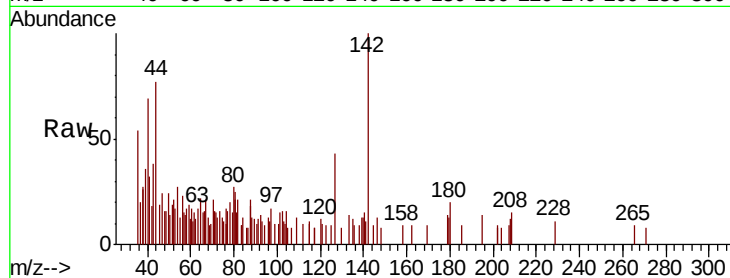
Tgt Ion:142 Resp: 1555

Ion Ratio Lower Upper

142 100

127 46.0 32.8 49.2

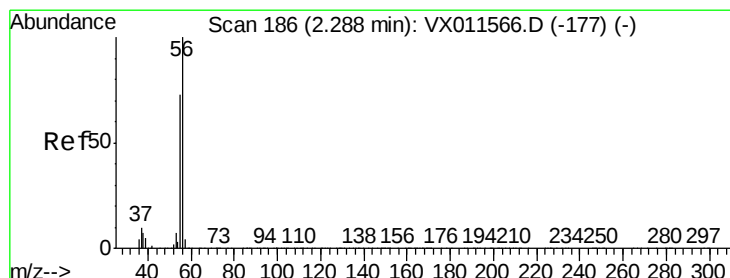
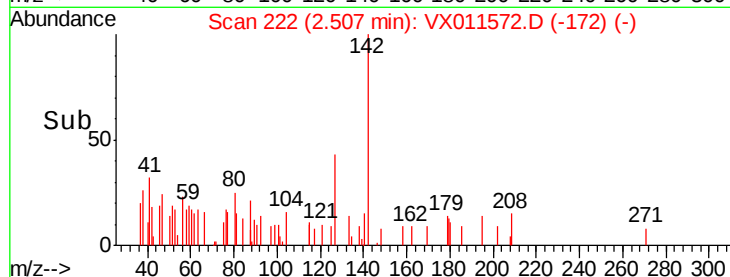
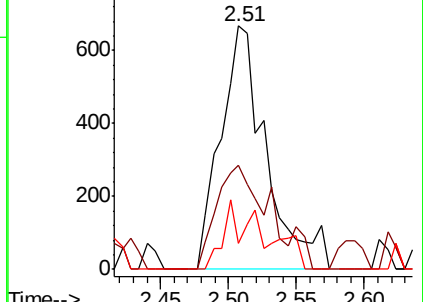
141 18.6 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13

Acrolein

Concen: 12.791 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX011572.D

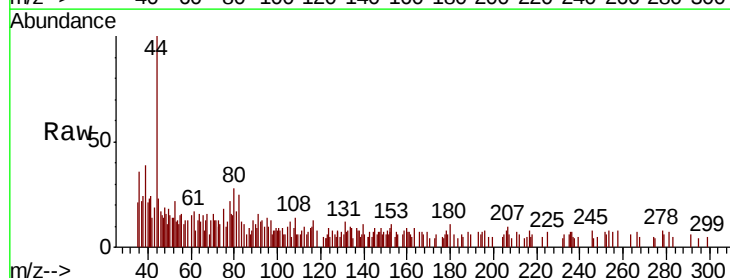
Acq: 16 Aug 2019 11:32

Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

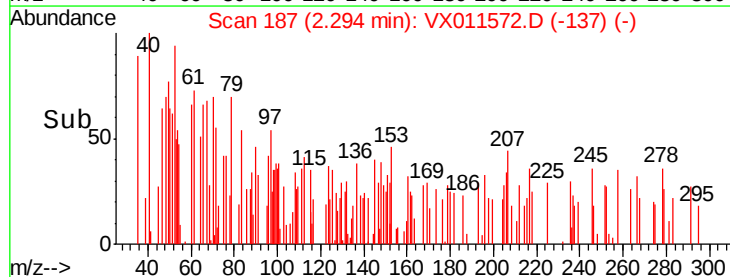
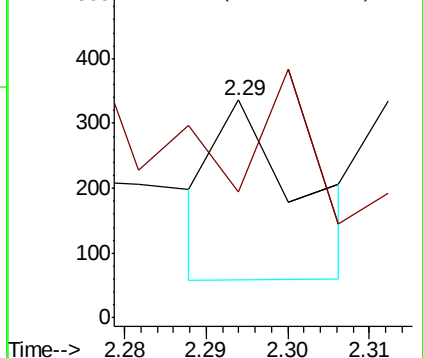
56 100

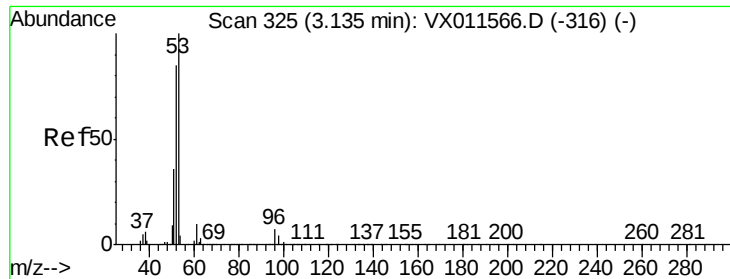
55 103.5 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.593 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

Instrument :

MSVOA_X

ClientSampled :

VX0816MBL01

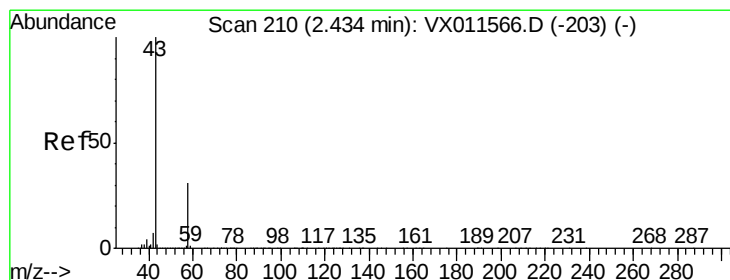
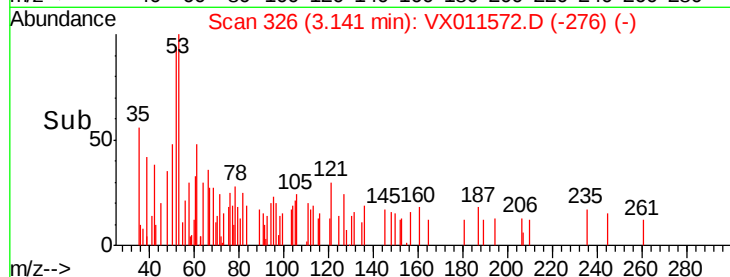
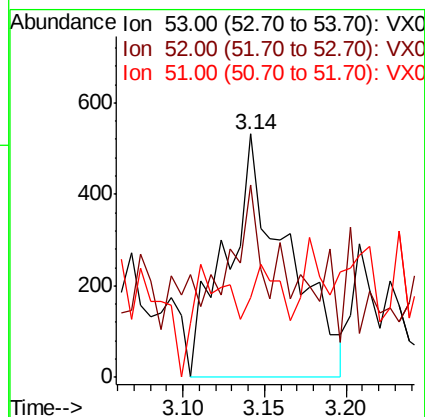
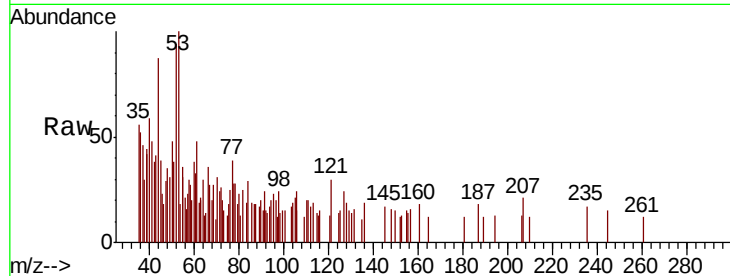
Tgt Ion: 53 Resp: 1374

Ion Ratio Lower Upper

53 100

52 13.9 66.7 100.1#

51 9.3 28.7 43.1#



#16

Acetone

Concen: 0.541 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX011572.D

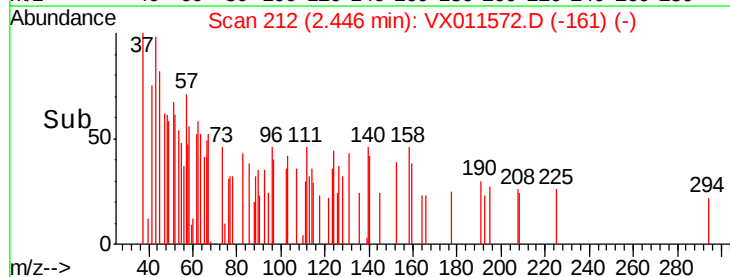
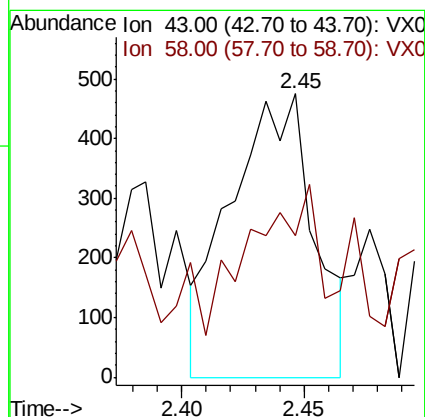
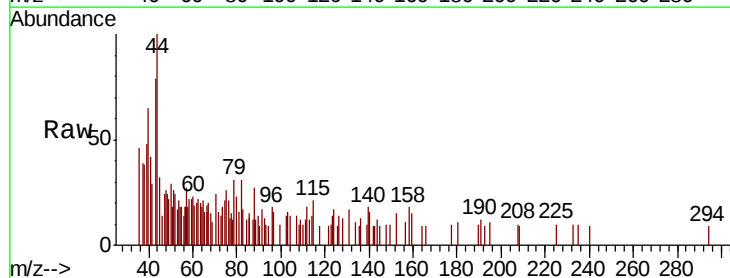
Acq: 16 Aug 2019 11:32

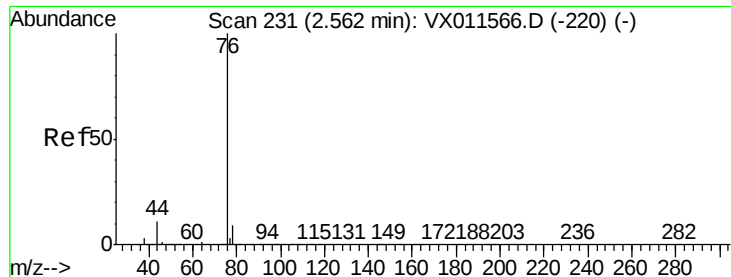
Tgt Ion: 43 Resp: 1123

Ion Ratio Lower Upper

43 100

58 29.0 25.2 37.8

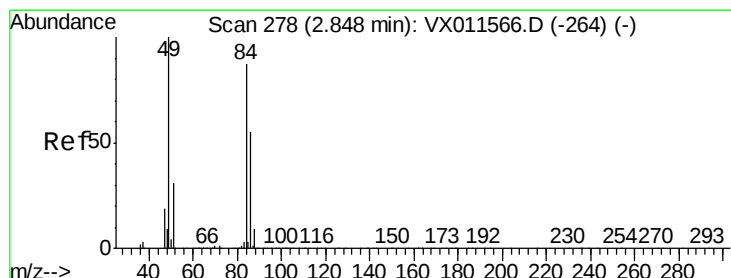
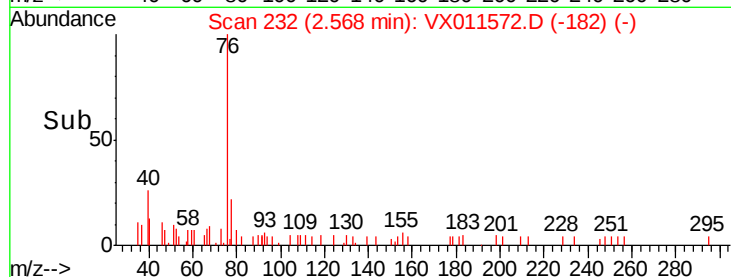
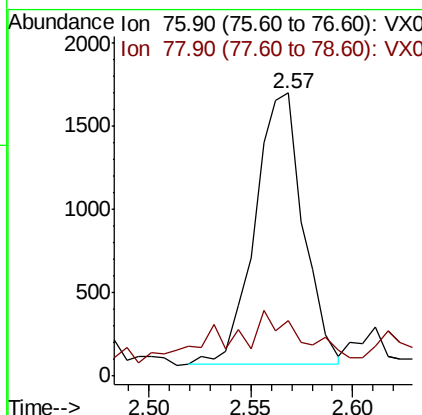
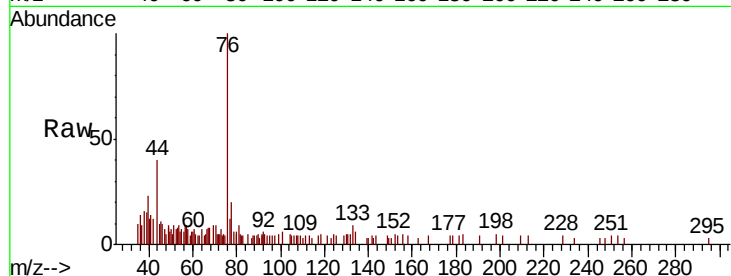




#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX011572.D
Acq: 16 Aug 2019 11:32

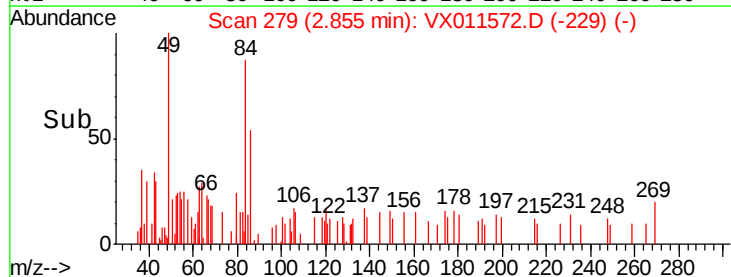
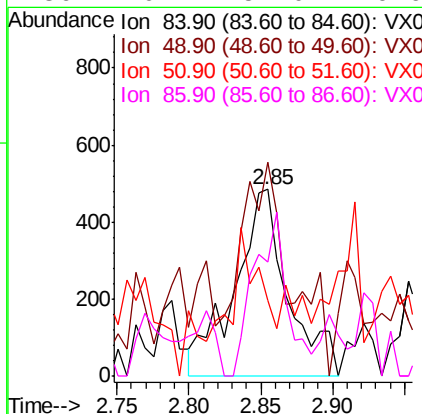
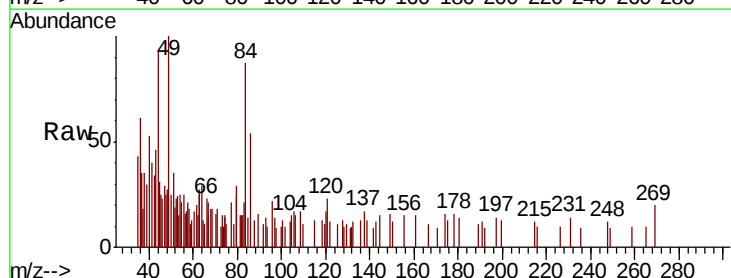
Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

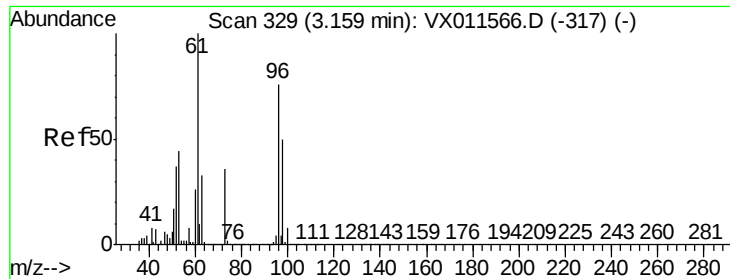
Tgt Ion: 76 Resp: 2682
Ion Ratio Lower Upper
76 100
78 11.7 7.2 10.8#



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011572.D
Acq: 16 Aug 2019 11:32

Tgt Ion: 84 Resp: 1236
Ion Ratio Lower Upper
84 100
49 88.7 92.4 138.6#
51 5.2 28.5 42.7#
86 40.2 51.0 76.6#





#21

trans-1,2-Dichloroethene

Concen: 0.231 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBL01

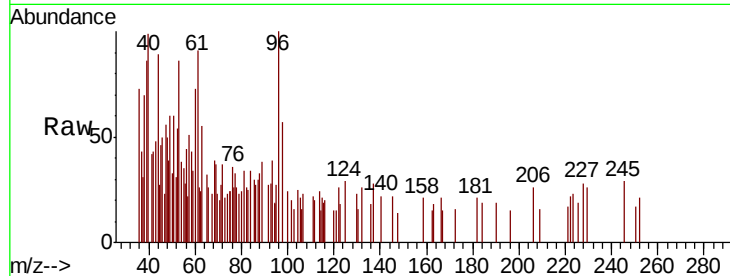
Tgt Ion: 96 Resp: 931

Ion Ratio Lower Upper

96 100

61 75.4 105.5 158.3#

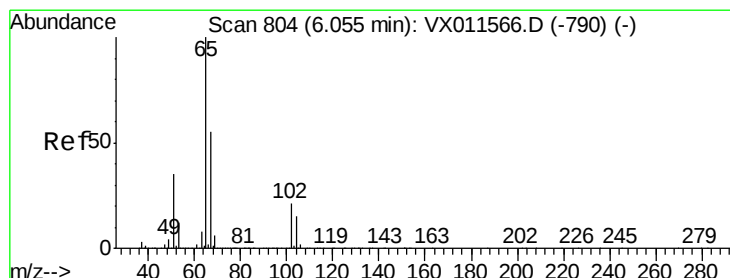
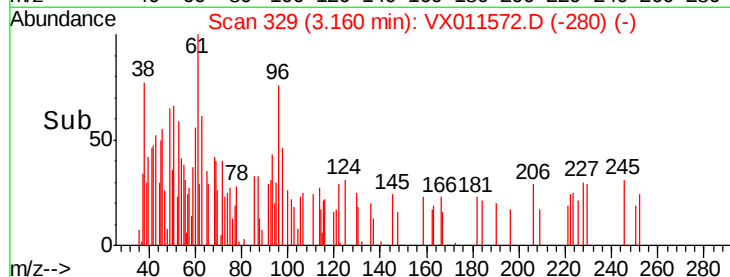
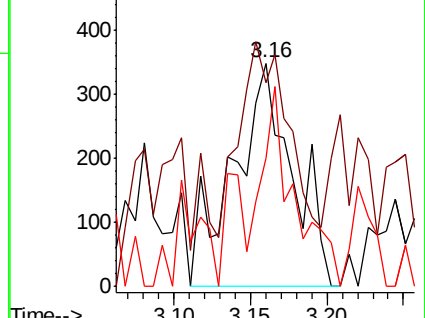
98 57.3 52.6 78.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.141 ug/l

RT: 6.05 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX011572.D

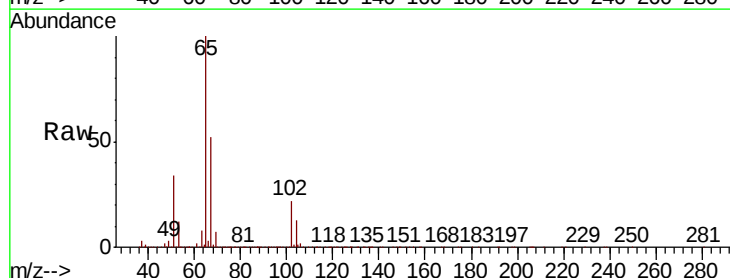
Acq: 16 Aug 2019 11:32

Tgt Ion: 65 Resp: 211192

Ion Ratio Lower Upper

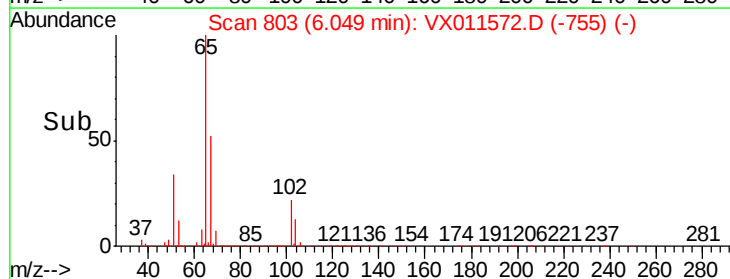
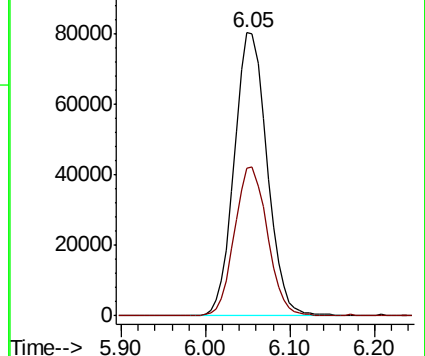
65 100

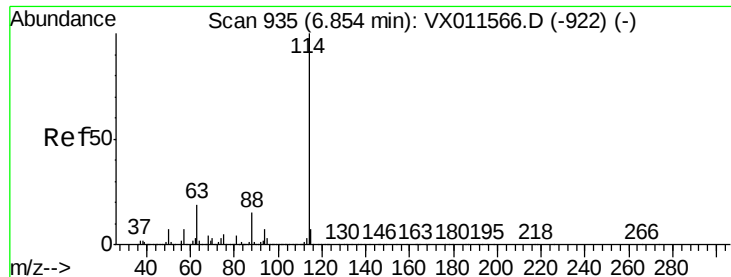
67 52.5 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. -0.01 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

Instrument :

MSVOA_X

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VX0816MBL01

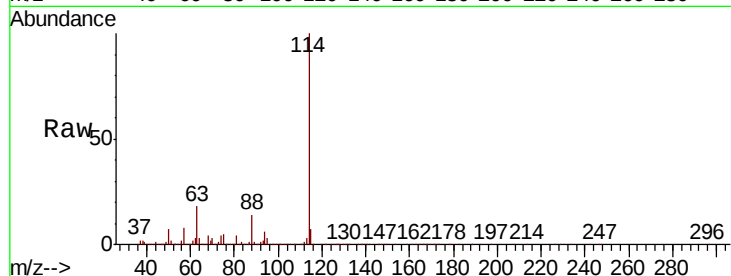
Tgt Ion:114 Resp: 616295

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.8

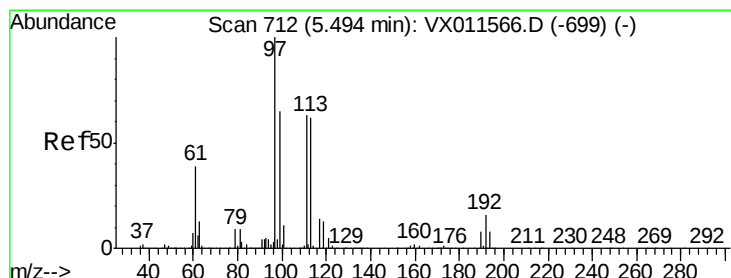
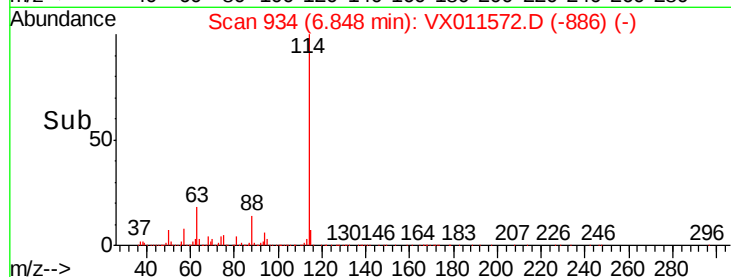
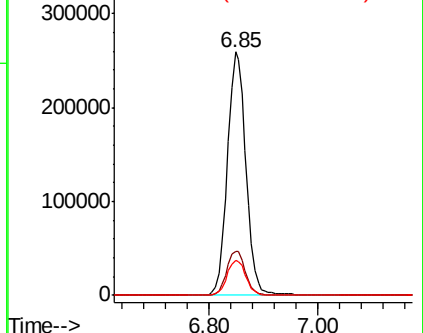
88 14.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.419 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

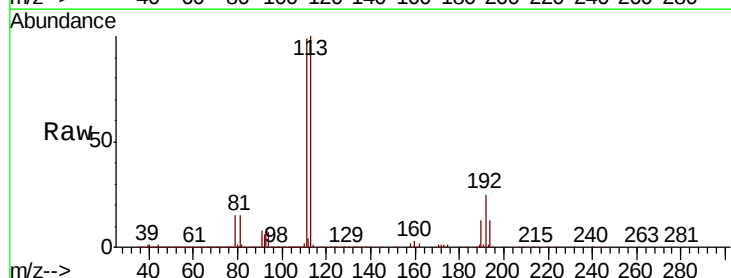
Tgt Ion:113 Resp: 187111

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

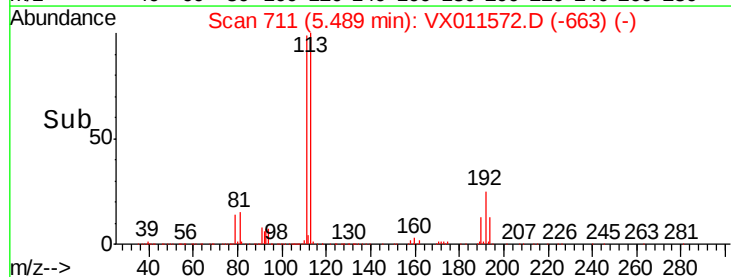
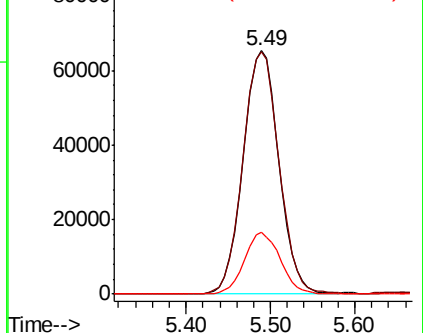
192 25.5 20.8 31.2

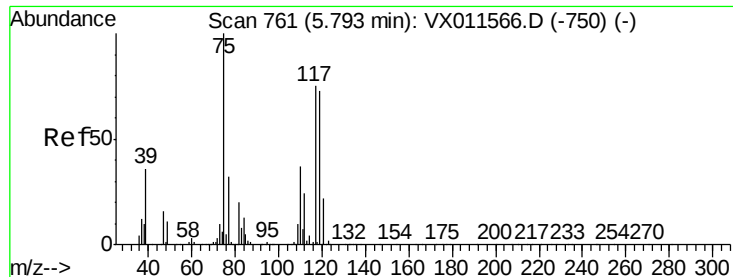


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

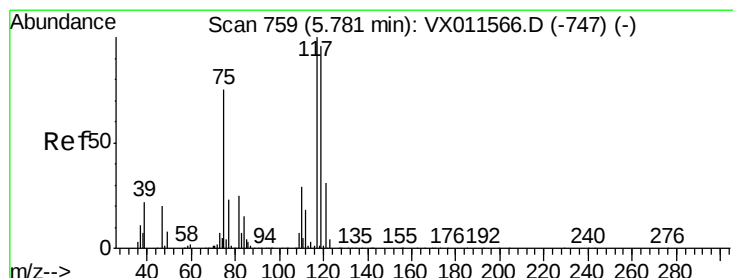
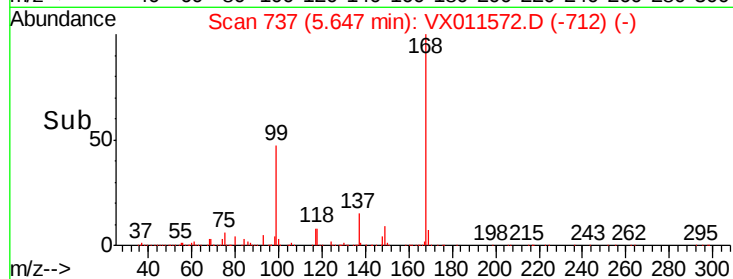
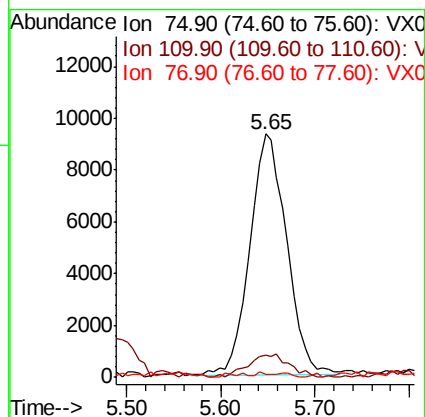
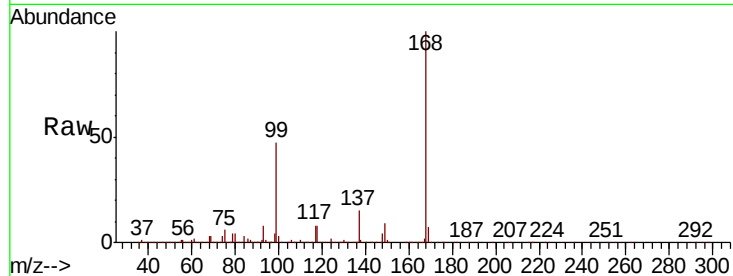




#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011572.D
 Acq: 16 Aug 2019 11:32

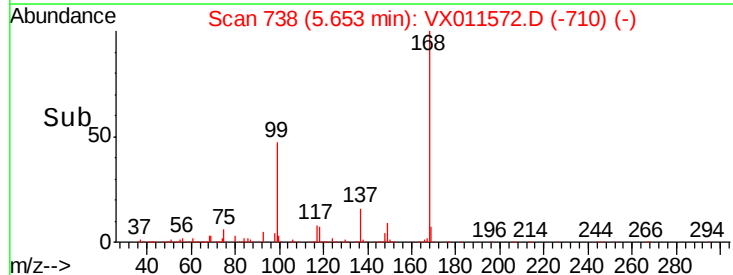
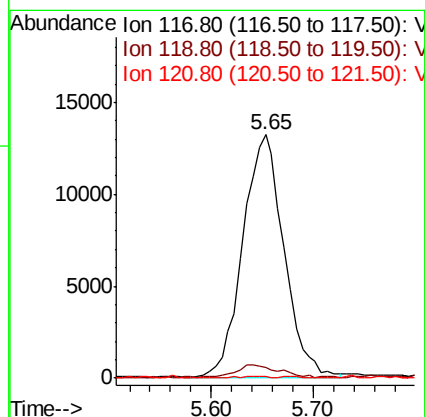
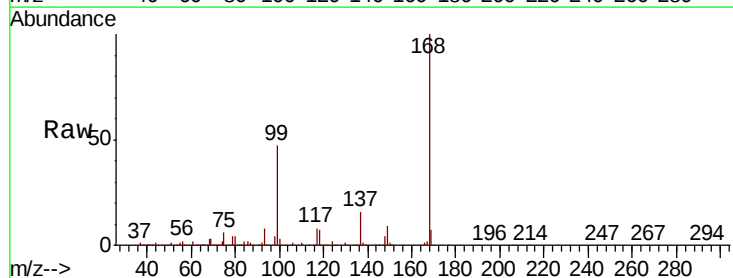
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBL01

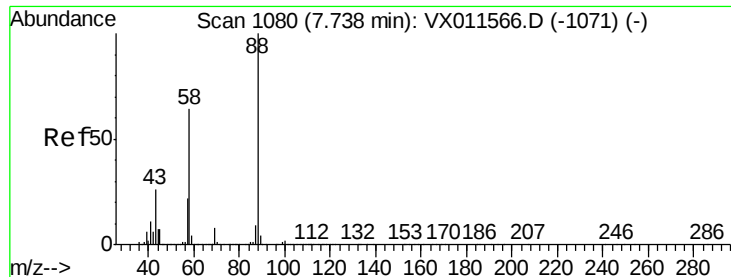
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.4	58.1#
77	0.2	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.438 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011572.D
 Acq: 16 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.9	115.3#
121	0.5	24.8	37.2#

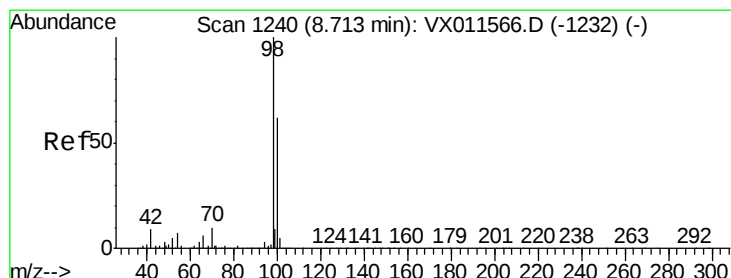
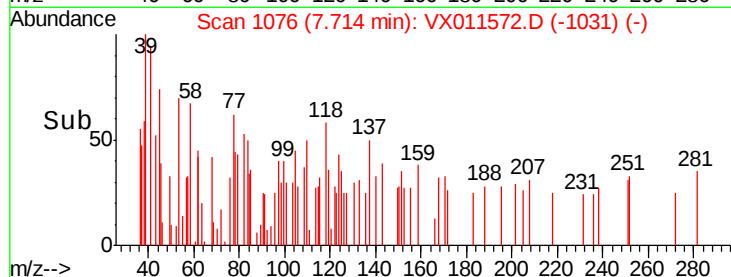
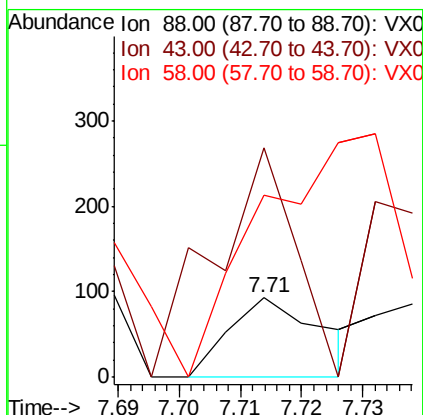
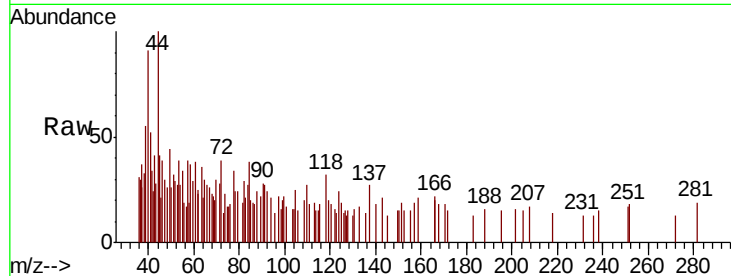




#49
1,4-Dioxane
Concen: 0.779 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX011572.D
Acq: 16 Aug 2019 11:32

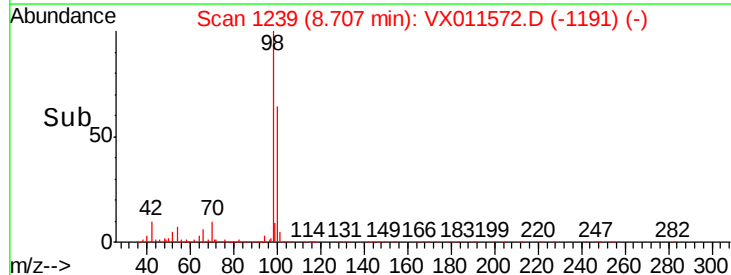
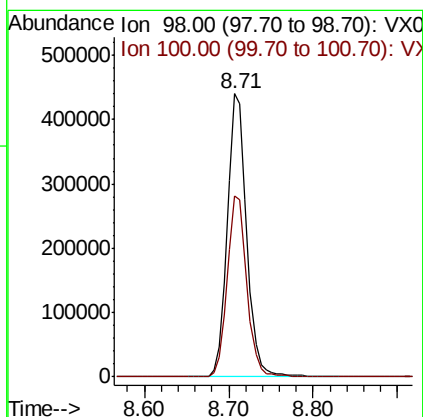
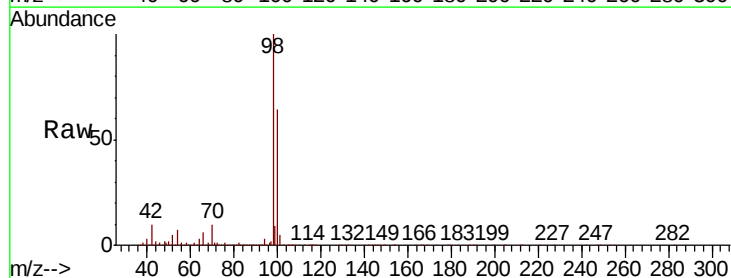
Instrument :
MSVOA_X
ClientSampled :
VX0816MBL01

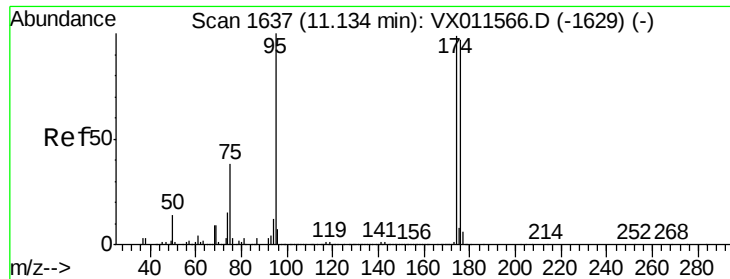
Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
43 256.7 23.4 35.0#
58 0.0 54.3 81.5#



#50
Toluene-d8
Concen: 55.217 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VX011572.D
Acq: 16 Aug 2019 11:32

Tgt Ion: 98 Resp: 693525
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 44.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBL01

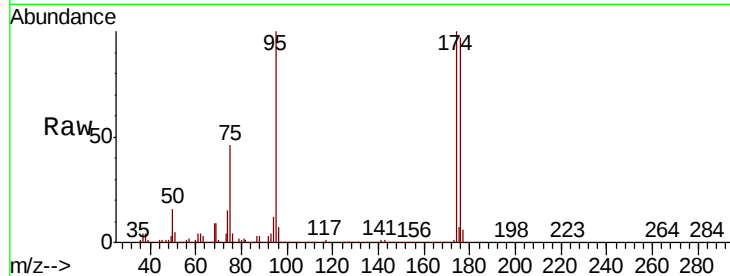
Tgt Ion: 95 Resp: 237389

Ion Ratio Lower Upper

95 100

174 98.4 0.0 200.6

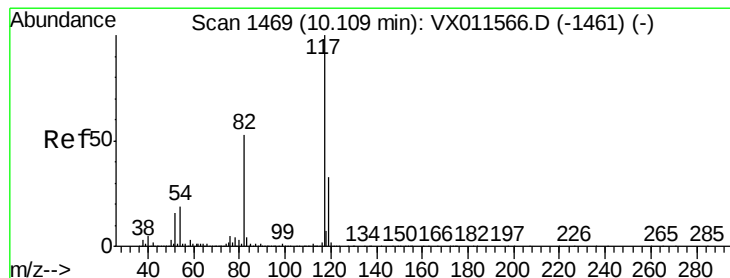
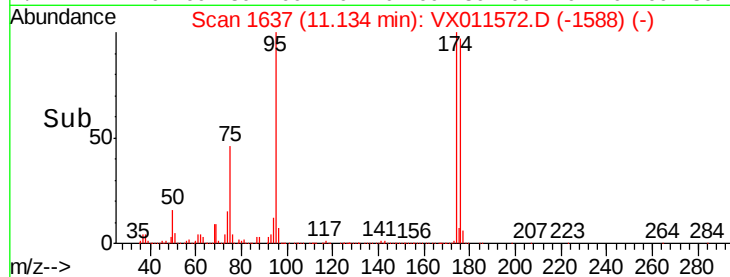
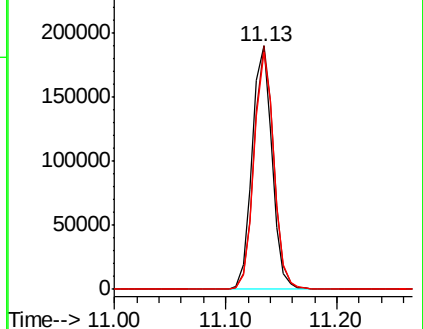
176 96.5 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX011566.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX011566.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX011566.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

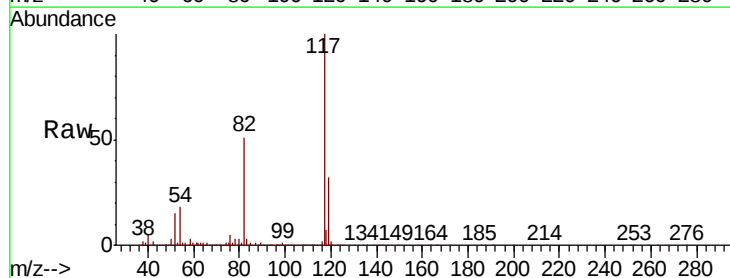
Tgt Ion: 117 Resp: 530368

Ion Ratio Lower Upper

117 100

82 51.3 42.0 63.0

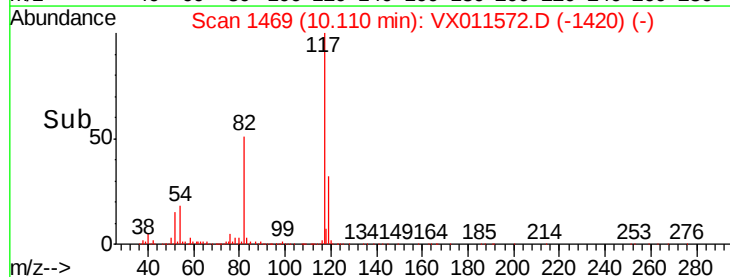
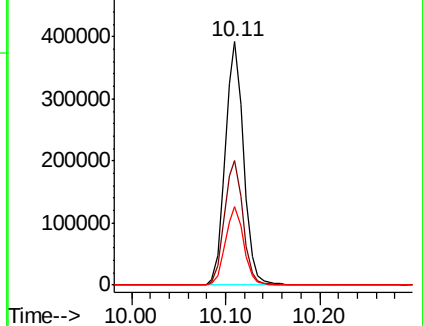
119 32.3 26.5 39.7

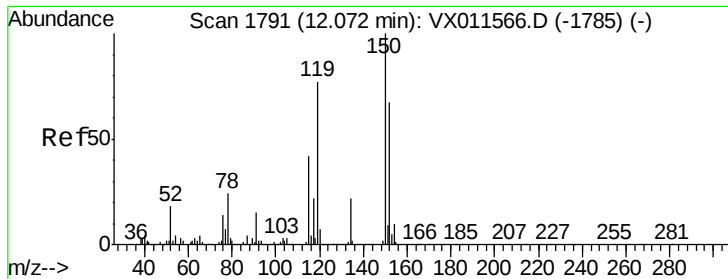


Abundance Ion 116.90 (116.60 to 117.60): VX011566.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011566.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011566.D (-1461) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011572.D

Acq: 16 Aug 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBL01

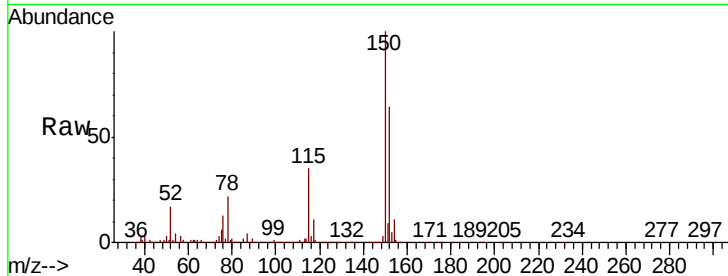
Tgt Ion: 152 Resp: 256050

Ion Ratio Lower Upper

152 100

115 53.9 37.3 111.9

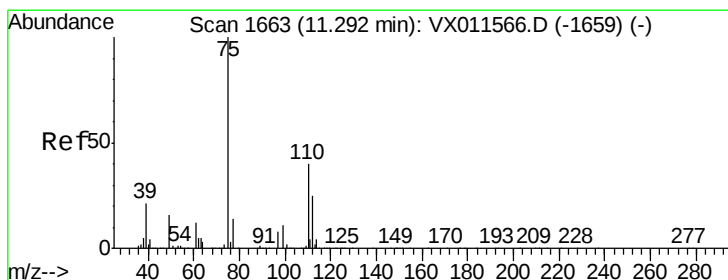
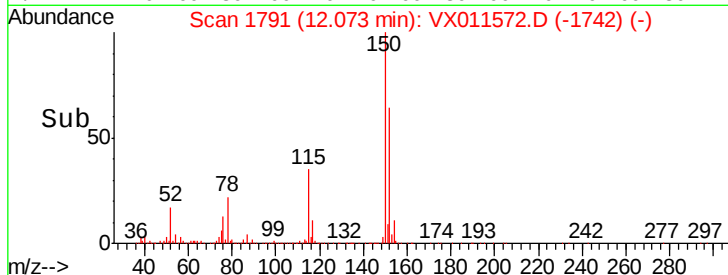
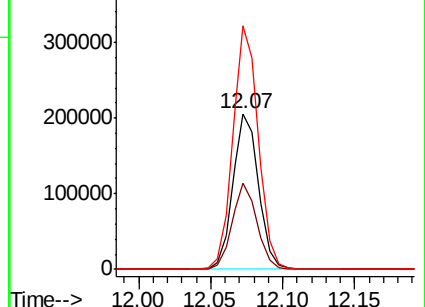
150 155.8 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.768 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011572.D

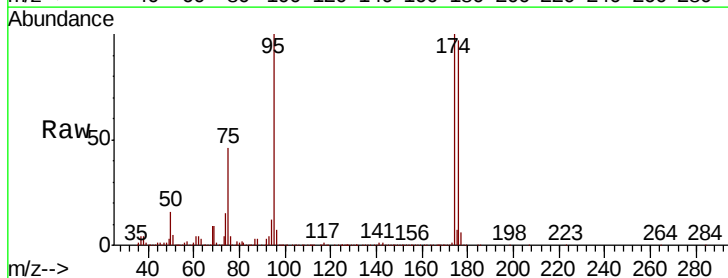
Acq: 16 Aug 2019 11:32

Tgt Ion: 75 Resp: 110547

Ion Ratio Lower Upper

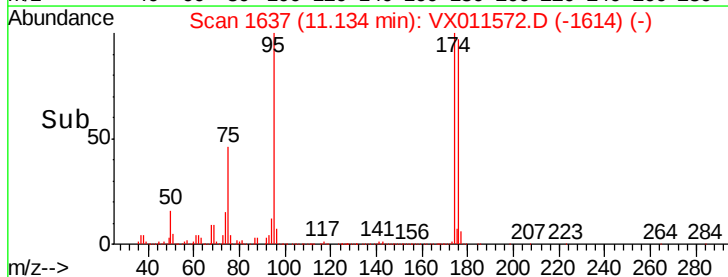
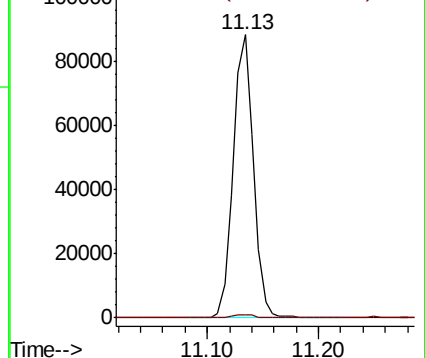
75 100

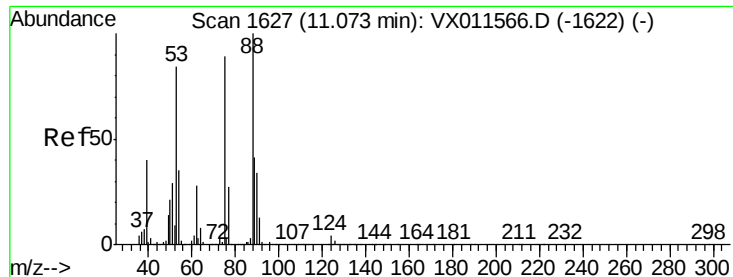
77 1.5 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

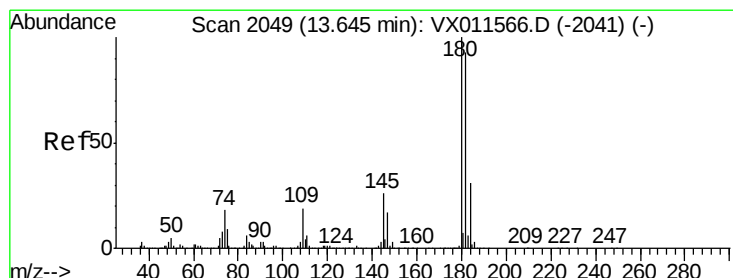
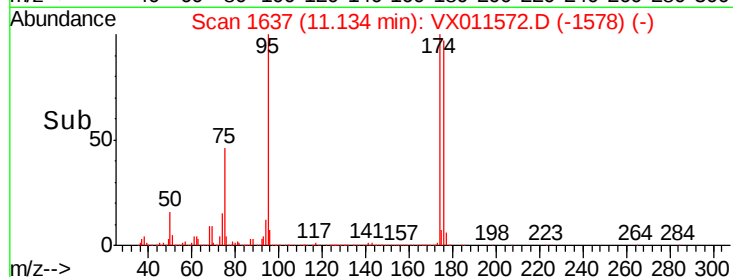
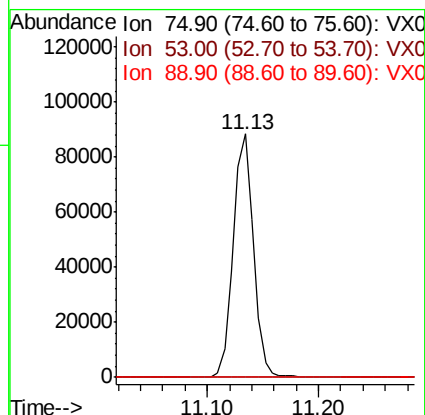
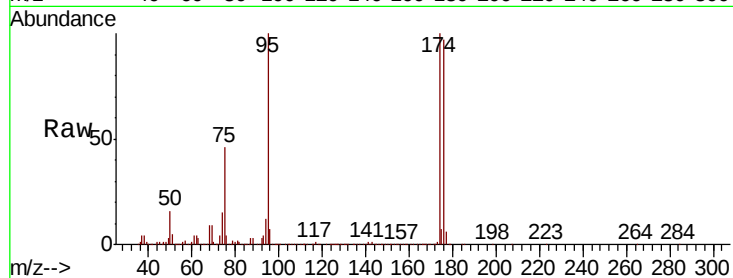




#81
trans-1,4-Dichloro-2-butene
Concen: 60.630 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011572.D
Acq: 16 Aug 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

Tgt Ion: 75 Resp: 110547
Ion Ratio Lower Upper
75 100
53 0.2 77.4 116.0#
89 0.0 37.3 55.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.206 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX011572.D
Acq: 16 Aug 2019 11:32

Tgt Ion: 180 Resp: 1312
Ion Ratio Lower Upper
180 100
182 109.4 47.3 142.0
145 26.5 13.6 40.8

